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Functional and genetic studies in MEN2 and Hirschsprung disease

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Stellingen behorende bij het proefschrift

Functional and Genetic Studies in MEN2 and Hirschsprung disease

1. KBP connects microtubule dynamics to HSCR development (chapter 2, this thesis).
2. The study of complex disorders will benefit from systems biology.
3. SCG10 may link KBP to the RET and EDNRB signalling pathways (chapter 2, this thesis).
4. The presence of common and rare mutations can explain the genetic basis of complex disorders.
5. Different RET mutations trigger specific downstream signalling pathways (chapter 5, this thesis).
6. Patients with Medullary and Papillary Thyroid Carcinomas will benefit from mutation specific therapies (chapter 6, this thesis).
7. The fact that one HSCR associated *RET* variant is commonly found worldwide suggests a protective effect of this mutation for the carriers.
8. "The important thing in science is not so much to obtain new facts as to discover new ways of thinking about them."

   William Bragg
9. "Science is wonderfully equipped to answer the question "How?" but it gets terribly confused when you ask the question "Why?"

   Erwin Chargaff
11. "Try and fail, but don't fail to try."

    Stephen Kaggwa

Maria Alves, 10 November 2010